

Fig. 5B shows the DNA synthesis promoting activity on HUVEC of *E. coli*-derived FGF-

1a.

Fig. 6A shows the thermostability, acid resistance and alkali resistance of S/FGF-1a-II.

Fig. 6B shows the thermostability, acid resistance and alkali resistance of *E. coli*-derived FGF-1a. --

On page 24, line 7, please insert -- (Fig. 5A) -- after the word "HUVEC", and at line 8, please insert -- (Fig. 5B) -- after the word "*coli*".

On page 25, line 23, please insert -- (Fig. 6A) -- after the word "hours", and on line 27, please insert -- (Fig. 6A) -- after the word "heparin".

On page 26, line 2, please delete the term "(Fig. 6)" and insert in its place -- (Fig. 6B) --.

On page 26, line 17, please delete the term "(Fig. 6)" and insert in its place -- (Fig. 6A) --.

On page 26, line 20, please delete the term "(Fig. 6)" and insert in its place -- (Figs. 6A and 6B) --.

IN THE DRAWINGS:

Please replace the two (2) sheets of drawings containing Figures 5 and 6 presently on file with the new two (2) sheets of drawings containing Figures 5A, 5B, 6A and 6B that accompany this response.

IN THE CLAIMS:

Please **cancel** claims 2, 7-13 and 15, without prejudice.

Please **amend** claims 1, 3-6 and 14 as follows:

1. (Amended) A heparin-binding protein comprising at least one covalently bonded sugar chain, wherein the at least one sugar chain is selected from the group consisting of

C 2
a sulfated polysaccharide, a glycosaminoglycan, an O-linked sugar chain and combinations thereof.

3. (Amended) The heparin-binding protein of claim 1, wherein the heparin-binding protein is a factor belonging to the FGF family.

sub F2 4. (Amended) The heparin-binding protein of claim 1, wherein the at least one sugar chain is covalently bonded through a peptide to which the at least one sugar chain can be added.

C 3 5. (Amended) The heparin binding protein of claim 4, wherein the heparin-binding protein comprising the at least one covalently bonded sugar chain comprises:

Sub. F2 } (a) a protein consisting of the amino acid sequence of SEQ ID NO: 1, 17, 19, 21, 23, or 29; or

(b) a protein which consists of the amino acid sequence of SEQ ID NO: 1, 17, 19, 21, 23, or 29 having a deletion, substitution, addition or modification of at least one amino acid, wherein the heparin-binding protein has FGF activity and the sugar chain can be added thereto.

sub F2 6. (Amended) The heparin binding protein of claim 1, wherein the at least one sugar chain is bonded to the heparin-binding protein at a site forming a turn in the secondary structure, or at a site near one of the ends, or at a site at which addition of the sugar chain will not change the tertiary structure of said protein greatly.

C 4 sub F3 14. (Amended) A pharmaceutical composition containing the heparin-binding protein of any one of claims 1 and 3-6 as an active ingredient.

Please add the following **new** claims:

Sub D-4
16. (New) A heparin binding protein comprising at least one covalently bonded sugar chain, wherein the at least one sugar chain is selected from the group consisting of a sulfated polysaccharide, a glycosaminoglycan, an N-linked sugar chain, an O-linked sugar chain and combinations thereof, wherein the at least one sugar chain is covalently bonded through a peptide to which the sugar chain can be added.

17. (New) The heparin binding protein of claim 16, wherein the heparin-binding protein comprising the covalently bonded sugar chain comprises:

CS-
(a) a protein consisting of the amino acid sequence of SEQ ID NO: 1, 3, 5, 17, 19, 21, 23, 25, 27 or 29; or

(b) a protein which consists of the amino acid sequence of SEQ ID NO: 1, 3, 5, 17, 19, 21, 23, 25, 27 or 29 having a deletion, substitution, addition or modification of at least one amino acid, wherein the heparin-binding protein has FGF activity and the sugar chain can be added thereto.

Sub F-5
18. (New) A heparin-binding protein functionalized by covalently bonding thereto at least one sugar chain, wherein the at least one sugar chain is covalently bonded through a peptide to which the sugar chain can be added.

Sub D-2
19. (New) A heparin binding protein comprising a plurality of covalently bonded sugar chains, wherein the sugar chains are selected from the group consisting of a sulfated polysaccharide, a glycosaminoglycan, an N-linked sugar chain, an O-linked sugar chain and combinations thereof, wherein the sugar chain is covalently bonded through a peptide to which the sugar chain can be added.

Sub F-5
20. (New) A heparin-binding protein comprising a peptide to which at least one sugar chain can be covalently bonded, wherein the at least one sugar chain is covalently bonded